

# Claims

[c1] What is claimed is:

1.A method for generating a user's favorite logo of an image display device, the method comprising:

(a)providing a plurality of image data on the image display device;

(b)selecting an image data from the plurality of image data;

(c)encoding the image data selected from the plurality of image data for generating an encoded image data;

(d)storing the encoded image data in a first memory;

(e)decoding the encoded image data from the first memory when the image display device is re-started.

[c2] (f)decoding the encoded image data for generating a decoded image data after performing step (e); and

(g)displaying the decoded image data on the image display device.

[c3] 2.The method of claim 1 wherein the plurality of image data provided in step (a) are captured from a dynamic image file.

[c4] 3. The method of claim 1 further comprising:

(h) quantizing the image data selected in step(b);  
wherein step(c) further comprises encoding the image data quantized in step (h).

[c5] 4. The method of claim 3 further comprising detecting the size of the image data selected in step (b), and step (h) further comprising quantizing the image data selected in step (b) according to the size of the image data.

[c6] 5.The method of claim 3 further comprising detecting whether remaining space of the first memory is enough to store the encoded image data; when the remaining space of the first memory is enough to store the encoded image data, performing step (d); and when the remaining space of the first memory is not enough to store the encoded image data, quantizing the selected image data again.

[c7] 6.The method of claim 1 wherein the first memory is a flash memory.

[c8] 7.The method of claim 1 further comprising reading an existing image data in the first memory and the encoded image data before performing step (d); wherein step (d) stores the existing image data and the encoded image data back to the first memory.

[c9] 8.The method of claim 7 further comprising erasing at

least part of the first memory before performing step (d).

[c10] 9. The method of claim 1 further comprising detecting display parameters of the selected image data and storing the display parameters of the selected image data in a second memory.

[c11] 10. The method of claim 9 further comprising reading the display parameters from the second memory before performing step (g);  
wherein step (g) further comprises displaying the decoded image data on the image display device according to the display parameters.

[c12] 11. The method of claim 9 wherein the second memory is an electrically erasable programmable read only memory (EEPROM).

[c13] 12. The method of claim 1 further comprising storing miscellaneous data corresponding into the selected image data in a second memory.

[c14] 13. The method of claim 12 further comprising reading the miscellaneous data from the second memory before performing step (g);  
wherein step (g) further comprises displaying the decoded image data on the image display device according to the miscellaneous data.

- [c15] 14.The method of claim 12 wherein the second memory is an electrically erasable programmable read only memory (EEPROM).
- [c16] 15.An image display device for performing the method of claim 1.
- [c17] 16.A method for generating a user's favorite logo of an image display device, the method comprising:
- (a)detecting whether a first image data processed by the image display device is captured from a dynamic image file;
  - (b)providing a plurality of image data from the dynamic image file and selecting an image data from the plurality of the image data to be a selected image data when the first image data is captured from the dynamic image file; and selecting the first image data to be a selected image data when the first image data is not captured from the dynamic image file;
  - (c)encoding the selected image data to generate an encoded image data;
  - (d)storing the encoded image data in a first memory;
  - (e)reading the encoded image data stored in the first memory when the image display device is restarted;
  - (f)decoding the encoded image data to generate a decoded image data after performing step(e); and

(g) displaying the decoded image data on the image display device.

[c18] 17. The method of claim 16 further comprising:  
(h) quantizing the selected image data of step (b);  
wherein step (c) further comprises encoding the selected image data quantized in step (h).

[c19] 18. The method of claim 17 further comprising detecting the size of the selected image data;  
wherein step (h) further comprises quantizing the selected image data of step (b) according to the size of the selected image data.

[c20] 19. The method of claim 17 further comprising detecting whether remaining space of the first memory is enough to store the encoded image data of step (c); when the remaining space of the first memory is enough to store the encoded image data in step (c), performing step (d); and when the remaining space of the first memory is not enough to store the encoded image data in step (c), quantizing the selected image data again.

[c21] 20. The method of claim 16 wherein the first memory is a flash memory.

[c22] 21. The method of claim 16 further comprising reading an existing image data in the first memory and the en-

coded image data before performing step (d);  
wherein step (d) further comprises storing the existing image data and the encoded image data back to the first memory.

[c23] 22.The method of claim 21 further comprising erasing at least part of the first memory before performing step (d).

[c24] 23.The method of claim 16 further comprising detecting display parameters of the selected image data and storing the display parameters of the selected image data in a second memory.

[c25] 24.The method of claim 23 further comprising reading the display parameters from the second memory before performing step (g);  
wherein step (g) further comprises displaying the decoded image data on the image display device according to the display parameters.

[c26] 25.The method of claim 23 wherein the second memory is an electrically erasable programmable read only memory (EEPROM).

[c27] 26.The method of claim 16 further comprising storing disc data of the selected image data in a second memory.

- [c28] 27. The method of claim 26 further comprising reading the miscellaneous data from the second memory before performing step (g);  
wherein step (g) further comprises displaying the de-coded image data on the image display device according to the miscellaneous data.
- [c29] 28. The method of claim 26 wherein the second memory is an electrically erasable programmable read only memory (EEPROM).
- [c30] 29. An image display device for performing the method of claim 16.